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CXC-6344-64
Copy 8 of 8

23 January 1964

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MEMORANDUM FOR THE RECORD

SUBJECT : J58 Development Test Hour Status Requested by FAA

1. The following has been requested of Pratt & Whitney
by

a. Total full scale J58 (JT11) engine test hours
accumulated to date.

b. Total J58 (JT11) full scale engine and compressor
component test hours accumulated to date at simulated
supersonic flight conditions. (List hours versus each
significant mach number condition.)

2. As far as Headquarters knows, the following infor-
mation has been made available to certain USAF and Navy
personnel in "confidential" semi-annual progress reports
covering the period through April 1962:

Total J58 engine test hours	3350
J58 engine test hours at or above	
Mach 1.5	328
Mach 2.0	201
Mach 2.5	52
Mach 3.0	23

Testing of the engine with Mach 3.2 environmental
conditions at the engine inlet has been conducted.

3. At present, Headquarters records indicate that the
J58 development status is:

Total J58 engine test hours	11,226
JT11D-20 engine test hours	8,290
JT11D-20 engine hours at or above Mach 2.0	1,947
JT11D-20 engine hours at or above Mach 3.0	1,312

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Relating this status to previous engine programs such as the J57 and J75, it becomes apparent that the J58/JT11 program is in the vicinity of a 150 hour Mission Qualification Test.

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[Redacted]
ASD/OSA

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Robert [Redacted] ASD/OSA:gp (23 January 1964)

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